Application No. 09/752,248
Amendment dated April 7, 2005
Response to Office Action of October 7, 2004

Atty. Docket No. 042390.P9693
Examiner Brancolini, John
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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A method comprising:

establishing a file transfer session between an information routing network device that has entered a debug mode and a server, <u>the network device storing an identifier corresponding to</u> a name of a last known good image and configuration file pair being stored on the network device, the last known good image and configuration file pair being stored on the server; [[and]]

requesting a transfer of the last known good image and configuration file pair from the server to the network device<u>; and</u>

<u>automatically reconfiguring the network device according to the last known good image and configuration file pair from the server.</u>

2.   (Original) The method of claim 1 further comprising detecting the network device in fatal mode and entering the debug mode on the network device upon detecting the network device in fatal mode.

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3. (Original) The method of claim 1 further comprising receiving a command of a user and entering the debug mode on the network device upon receiving the command of the user.

4. (Original) The method of claim 1 wherein the file transfer session is a Trivial File Transfer Protocol (TFTP) session.

5. (Original) The method of claim 1 further comprising receiving the transfer of the last known good image and configuration file pair from the server to the network device.

6. (Original) The method of claim 5 further comprising automatically restoring the network device from debug mode to working mode after receiving the transfer of the last known good image and configuration file pair from the server to the network device.

7. (Previously Presented) The method of claim 1 wherein establishing a file transfer session between an information routing network device that has entered a debug mode and a server includes

establishing a first file transfer session with a first server, a first image and configuration file pair being stored on the first server,

determining whether the first image and configuration file pair is the last known good image and configuration file pair,

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establishing a second file transfer session with a second server, a second image

and configuration file pair being stored on the second server,

determining whether the second image and configuration file pair is the last

known good image and configuration file pair, and

wherein the method further includes requesting a transfer of one of the first or

second image and configuration file pair that is the last known good image and

configuration file pair from the server to the network device.

8.   (Currently Amended) A method comprising:

detecting that an information routing network device has entered a debug mode, a

name of a last known good image and configuration file pair being stored on the network

device;

      establishing a first file transfer session between the network device and a first

server, a first image and configuration file pair being stored on the first server;

determining whether the first image and configuration file pair [[is]] matches the

last known good image and configuration file pair;

establishing a second file transfer session between the network device and a

second server, a second image and configuration file pair being stored on the second

server;

determining whether the second image and configuration file pair [[is]] matches

the last known good image and configuration file pair; [[and]]

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establishing a second file transfer session with a second server, a second image

and configuration file pair being stored on the second server,

determining whether the second image and configuration file pair is the last

known good image and configuration file pair, and

wherein the method further includes requesting a transfer of one of the first or

second image and configuration file pair that is the last known good image and

configuration file pair from the server to the network device.

21.   (Previously Presented) An apparatus comprising a machine

accessible medium containing instructions which, when executed by a machine, cause the

machine to perform operations comprising:

detecting that an information routing network device has entered a debug mode, a

name of a last known good image and configuration file pair being stored on the network

device;

establishing a first file transfer session between the network device and a first

server, a first image and configuration file pair being stored on the first server;

determining whether the first image and configuration file pair [[is]] matches the

last known good image and configuration file pair;

establishing a second file transfer session between the network device and a

second server, a second image and configuration file pair being stored on the second

server;

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requesting a transfer of one of the first or second image and configuration file pair

that is the last known good image and configuration file pair from the server to the

network device; and

automatically reconfiguring the network device according to the last known good

image and configuration file pair from the server.

9.   (Original) The method of claim 8 further comprising detecting the

network device in fatal mode and entering the debug mode on the network device upon

detecting the network device in fatal mode.

10.   (Original) The method of claim 8 further comprising receiving a

command of a user and entering the debug mode on the network device upon receiving

the command of the user.

11.   (Original) The method of claim 8 wherein the file transfer session is a

Trivial File Transfer Protocol (TFTP) session.

12.   (Original) The method of claim 8 further comprising receiving the

transfer of the last known good image and configuration file pair from the server to the

network device.

13.   (Original) The method of claim 12 further comprising automatically

restoring the network device from debug mode to working mode after receiving the

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transfer of the last known good image and configuration file pair from the server to the network device.

14.   (Currently Amended) An apparatus comprising a machine accessible medium containing instructions which, when executed by a machine, cause the machine to perform operations comprising:

establishing a file transfer session between an information routing network device that has entered a debug mode and a server, the network device storing an identifier corresponding to a name of a last known good image and configuration file pair being stored on the network device, the last known good image and configuration file pair being stored on the server; [[and]]

requesting a transfer of the last known good image and configuration file pair from the server to the network device; and

automatically reconfiguring the network device according to the last known good image and configuration file pair from the server.

15.   (Original) The apparatus of claim 14 further comprising detecting the network device in fatal mode and entering the debug mode on the network device upon detecting the network device in fatal mode.

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16.   (Original) The apparatus of claim 14 further comprising receiving a

command of a user and entering the debug mode on the network device upon receiving

the command of the user.

17.   (Original) The apparatus of claim 14 wherein the file transfer session is a

Trivial File Transfer Protocol (TFTP) session.

18.   (Original) The apparatus of claim 14 further comprising receiving the

transfer of the last known good image and configuration file pair from the server to the

network device.

19.   (Original) The apparatus of claim 18 further comprising automatically

restoring the network device from debug mode to working mode after receiving the

transfer of the last known good image and configuration file pair from the server to the

network device.

20.   (Previously Presented) The apparatus of claim 14 wherein establishing a

file transfer session between an information routing network device that has entered a

debug mode and a server includes

        establishing a first file transfer session with a first server, a first image and

configuration file pair being stored on the first server,

        determining whether the first image and configuration file pair is the last known

good image and configuration file pair,

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determining whether the second image and configuration file pair [[is]] matches

the last known good image and configuration file pair; [[and]]

requesting a transfer of one of the first or second image and configuration file pair

that is the last known good image and configuration file pair from the server to the

network device; and

automatically reconfiguring the network device according to the last known good

image and configuration file pair from the server.

22.   (Original) The apparatus of claim 21 further comprising detecting the

network device in fatal mode and entering the debug mode on the network device upon

detecting the network device in fatal mode.

23.   (Original) The apparatus of claim 21 further comprising receiving a

command of a user and entering the debug mode on the network device upon receiving

the command of the user.

24.   (Original) The apparatus of claim 21 wherein the file transfer session is a

Trivial File Transfer Protocol (TFTP) session.

25.   (Original) The apparatus of claim 21 further comprising receiving the

transfer of the last known good image and configuration file pair from the server to the

network device.

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26.　　(Original)　The apparatus of claim 25 further comprising automatically restoring the network device from debug mode to working mode after receiving the transfer of the last known good image and configuration file pair from the server to the network device.